

Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-2 (Canceled).

Claim 3 (Currently Amended): ~~Injection~~ The injection pump according to claim ~~±~~ 15, wherein the pump body ~~(3)~~ is comprises a flexible or ductile ~~with preferable use of a~~ plastic material ~~for the pump body (3)~~.

Claim 4 (Currently Amended): ~~Injection~~ The injection pump according to claim ~~±~~ 15, wherein the pump body ~~(3)~~ has a rigidly bent shape.

Claim 5 (Currently Amended): ~~Injection~~ The injection pump according to claim 3, wherein the flexible second piston rod ~~(9)~~ is matched to the chose rigid deformation conforms to the rigidly bent shape of the pump body (3).

Claim 6 (Canceled).

Claim 7 (Currently Amended): ~~Injection~~ The injection pump according to claim ~~±~~ 15, wherein the flexible second piston rod (9) is fitted at ~~its~~ said second piston rod distal end with a relatively soft or flexible material, ~~preferably a plastic material~~.

Claim 8 (Currently Amended): ~~Injection~~ The injection pump according to claim ~~±~~ 15, ~~wherein a piston head (11) is arranged in the pump body (3) at the distal end of the flexible piston rod (9), with~~ further comprising sealing rings (13) between said piston head (11) and said pump body (3) to create a suction effect when pulling out the piston rods ~~(6 and 9)~~ in a proximal direction.

Claim 9 (Currently Amended): ~~Injection~~ The injection pump according to claim ~~±~~ 15, ~~wherein~~ further comprising a hose bracket sleeve (1) with an attached rotatable male LuerLock (2) at the pump body distal end ~~of the pump body (3)~~.

Claim 10 (Currently Amended): ~~Injection~~ The injection pump according to claim 9, ~~wherein~~ further comprising a nozzle (21) ~~is~~ screwed to the rotatable male LuerLock (2) to take up highly

viscous media from a respective vessel which nozzle (21) can be unscrewed after absorption of such highly viscous media.

Claim 11 (Currently Amended): ~~Injection~~ The injection pump according to claim 8, wherein the end piston head (11) ~~at the flexible piston rod (9)~~ has a ~~centred~~ centered venting boring (16), with ~~the~~ a rear section of the boring (16) being equipped with an air-permeable filter, ~~preferably of foam material or cellulose (14).~~

Claim 12 (Currently Amended): ~~Injection~~ The injection pump according to claim 8 11, wherein ~~the~~ a proximal end of the ~~centred~~ centered venting boring (16) ~~in the piston head (11)~~ is provided with a vertical boring (22), which vertical boring (22) is radially covered with a valve hose (15).

Claim 13 (Currently Amended): ~~Injection~~ The injection pump according to claim 9, wherein the male LuerLock (2) is fitted with a prong (12) to fasten the pump body (3) by radially pressure-forcing the pump body (3) into place.

Claim 14 (Currently Amended): ~~Injection~~ The injection pump according to claim ~~±~~ 15, wherein the pump body ~~(3)~~ is arranged at the pump body grip ~~(5)~~ firmly, rotatable and replaceable.

Claim 15 (New): An injection pump for application of highly viscous media that have to be applied with pressure during percutaneous vertebroplasty comprising:

(a) a pump body having a pump body proximal end, a pump body distal end, and a pump body length;

(b) a pump body grip fastened at said pump body proximal end; and

(c) a piston system comprising a rigid first piston rod having a first piston rod proximal end and a first piston rod distal end, a flexible second piston rod connected to said first piston rod at said first piston rod distal end and having a second piston rod distal end, a first piston rod grip connected to said first piston rod at said first piston rod proximal end, and an end piston head at the second piston rod distal end for taking up bone cement;

wherein said end piston head is movable along the pump body length between the pump body distal end and the pump body proximal end.